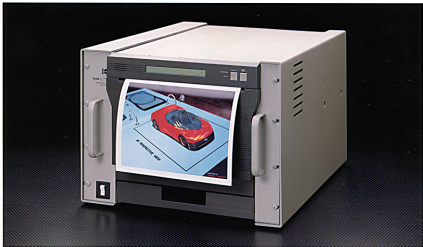


Product Description/Specifications



Produces page-size photographic-quality thermal prints from digital sources. Applications include computer-aided product and creative design, presentation graphics, medical imaging, remote sensing and geographic information systems.

Available in eight configurations with a choice of color and black-and-

white printing capability or black and white only; a tabletop or rack-mounted cabinet; and an IEEE 488 or SCSI interface.

- Advanced thermal dye transfer technology
- True continuous-tone prints and transparencies without chemical processing

- Two output sizes: 8.5 x 11 in. and 11 in. square (with 1/8-inch borders)
- Multiple-copy printing and page composition capabilities
- Uses specially formulated KODAK EKTATHERM Media Products to deliver outstanding color reproduction and excellent image stability
- Designed and made in the U.S.A.

KODAK XL 7700 Digital Continuous Tone Printer



1990 MacUser
Editors' Choice Award
Best Color Output Device
KODAK XL 7700 Printer



PRINTER PRODUCTS

Page-Size Photographic-Quality Hard Copy from Digital Sources

True Continuous Tone

For photographic-quality hard copies of electronically created or stored images, Kodak introduces the KODAK XL 7700 Digital Continuous Tone Printer.

Designed for imaging applications that require high-quality prints. This advanced printer couples proprietary (PQS) thermal dye transfer technology with specially formulated KODAK EKTATHERM Media Products to produce true continuous-tone prints with the look, feel, and stability of conventional photographs.

Versatile Output Options

The XL 7700 Printer offers a variety of output formats. Images may be reproduced in full color or black and white. To meet projection and hard copy needs, the printer accepts transparency material as well as thermal print paper. For additional flexibility, two output sizes are available for both prints and transparencies: 8.5 x 11 in. or 11 in. square (with 1/8-inch borders).

Hard Copy in Minutes with Thermal Processing

Kodak's innovative thermal dye transfer process eliminates light-forming optics and/or chemical processing associated with conventional photographs. Instead, it unites three key elements: a thermal print head with 2,048 resistive heating elements, a ribbon cartridge containing dyes, and electronic print media (paper or transparency material).

When printing is initiated, the head, ribbon, and media are brought into contact with a transport drum. As the heating elements are activated, dye from the donor ribbon is transferred to the dye-receiving layer of the paper or transparency.

The amount of dye transferred is proportional to the amount of heat generated at each heating element. Modulating the electrical pulses going to the heating elements controls the dye density of each pixel and produces a true continuous-tone image. For color printing, the drum makes three rotations, positioning the yellow, magenta, and cyan dye patches of the donor against the receiver.

Printing an 8.5 x 11-in. color print takes about 3.5 minutes; for the same size black-and-white print, about 96 seconds. High-density color transparencies can be produced in 6-7 minutes.



Kodak's state-of-the-art EKTATHERM Media Products yield photographic-quality prints and transparencies in color or black and white and in two sizes.

KODAK Media Products for Quality, Durability, Stability



These thermal prints were subjected to simulated high-intensity daylight radiation, simulating long-term use, under carefully controlled conditions. The top print, produced with KODAK EKTATHERM Media Products, shows considerably less fading than the one below, produced by a competitive thermal printing system.

Kodak offers a full range of EKTATHERM Media Products for the XL 7700 Printer. These include KODAK EKTATHERM B&W and Color Ribbon Cartridges, Print Paper, and Transparency Material.

Kodak's ribbon cartridges contain a proprietary dye set created specifically for thermal dye transfer printing applications. These dyes yield not only excellent color reproduction but also superior image stability on either EKTATHERM Print Paper or Transparency Material.

The color ribbon cartridges contain a spooled web of polyester support with repeating patches of coated dye in a sequence of yellow, magenta, and cyan. The 100 color print capacity is provided by repeating this sequence 100 times. The black-and-white ribbon cartridges contain a continuous web of a mixture

of cyan, magenta and yellow dyes, capable of producing 300 continuous-tone black-and-white prints.

High-density transparencies can be provided by using two sets of ribbon patches per image. KODAK EKTATHERM Print Paper – coated with a special dye-receiving layer – has the look and feel of traditional photographic paper prints. Prints are extremely durable, exhibit excellent scratch and abrasion resistance, and resist curling. Dyes also resist retransfer to adjacent surfaces, so prints are stable.

Kodak uses fadometer chambers like this one to study, under controlled conditions, the effects of light, heat, humidity, and other environmental factors on image permanence and durability.



Specifications and General Data

Printing Specifications

Printing method	Thermal dye sublimation transfer
Output options	Reflection prints; transparencies
Output sizes	8.5 x 11 in.; 11 x 11 in. (w/1/4" borders)
Max. image areas	
8.5 x 11 in.	7.56 x 10.08 in.
11 x 11 in.	10.08 x 10.08 in.
Density range	.07-2.5 (reflection density) .05-2.7 (transmission density)
Digital data sizes	
8.5 x 11 in.	1536 x 2048 pixel array
11 x 11 in.	2048 x 2048 pixel array
Print times (8.5 x 11 in.)	
Color	3.5 minutes
Black-and-white	1.6 minutes
Prints/cartridge	
Color	100
Black-and-white	300
Prints/tray	100

Physical/Environmental Specifications

Computer interfaces	IEEE 488 and SCSI
Dimensions	
Rack-mounted	14 H x 19 W x 22.5 in. D
Tabletop	15 H x 20 W x 24 in. D
Weight	Approximately 115 lbs.
Voltage	100, 120, 220, 240 V ac, $\pm 10\%$
Current	8 amps max. at 120 V
Frequency	50/60 Hz
Ambient temperature	59-86°F, 15-30°C
Ambient humidity	15-76% (relative humidity)
Standards	
Safety	UL478 CSA C22.2 #220-M 1986, IEC-950 VDE 8806 Class B
EMI	FCC Rules Part 15, Subpart J, Class B; EEC 499 (1982); Post Vig 1946 (1984), Level B; CISPR-22; DPE VCCI (Japan)

Printer Configuration Options

(Select one printer and one cabinet option.)

Printer

Printer/Interface	Product Description	Catalog No.
Color Printer/IEEE 488	KODAK XL 7700 Digital Continuous Tone Printer/ XL 7700-CI	167 3797
Color Printer/SCSI	KODAK XL 7700 Digital Continuous Tone Printer/ XL 7700-CS	180 8468
B&W Printer/IEEE 488	KODAK XL 7700 Digital Continuous Tone Printer/ XL 7700-BI	116 2767
B&W/SCSI	KODAK XL 7700 Digital Continuous Tone Printer/ XL 7700-BS	197 7210

Cabinet

Cabinet Type	Product Description	Catalog No.
Rack mount	KODAK XL Printer Rack & Slide Mount Kit/ XL 7052	833 5218
Tabletop	KODAK XL Printer Tabletop Side Panel Kit/ XL 7050	193 2573

Media Products

Product Description	Size (In.)	Catalog No.
KODAK EKTATHERM Color Ribbon Cartridge/XL 100-C	—	804 6146
KODAK EKTATHERM B&W Ribbon Cartridge/XL 300-B	—	808 1614
KODAK EKTATHERM Print Paper/XL 100-8P	8.5 x 11	808 1895
KODAK EKTATHERM Print Paper/XL 100-11P	11 x 11	845 3698
KODAK EKTATHERM Transparency Material/XL 100-8T	8.5 x 11	810 6346
KODAK EKTATHERM Transparency Material/XL 100-11T	11 x 11	820 4927
KODAK EKTATHERM Presentation Pack/XL 1000-8T (Sufficient Materials For 1000 Double Pass Transparencies)	8.5 x 11	806 9288

Accessories

Product	Catalog No.
KODAK XL Printer Tray/ XL 7040	182 5561
KODAK XL Wire Frame Print Catcher/XL 7044	158 8680
KODAK XL Printer Ribbon Cartridge Protector/XL 7042	142 2708

Thermal Printing Products

Kodak offers thermal printers and media products to support a variety of digital and video imaging applications. Kodak also provides a selection of computer interface products and programming utilities designed to help you integrate these products into

your present environment quickly and easily.

KODAK Thermal Printing Products are backed by years of research from a world leader in imaging technology. Outstanding service and customer support complete the picture.

For more information, call the Kodak toll-free information number:
1-800-44KODAK (1-800-445-6325),
Ext. 110.



KODAK XL Software for APPLE MACINTOSH Computers:

- KODAK XL Chooser Driver and Server Software
Catalog No. 166 5587
- KODAK TABLEMAKER™ Software
Catalog No. 824 8833
- KODAK XL Module Software
Catalog No. 809 3874 (IEEE 488)
Catalog No. 154 3735 (SCSI)
- KODAK XL Network Driver
Catalog No. 122 6521
- VBS Professional Output Manager
Catalog No. 144 5600 (English)
Catalog No. 824 3925 (French)*
*Available 8/91

Also available:

- KODAK CCD 4000 RGB Flash-Sync Camera w/o Lens
Catalog No. 128 1914
- KODAK SV1310 Color Monitor/13 inch
Catalog No. 143 7987



KODAK SV6510 Color Video Printer
Catalog No. 815 9600



KODAK SV630
Interface Kit for
KODAK SV
Printers to Apple
Macintosh II
computers
Catalog No. 171 8568



KODAK
EKTATHERM Color
Print Set/SV100
Catalog No. 186 7944

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Advanced imaging that puts you ahead

